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Fiber Optic Cable and Method of Making Same. (Belden Corp.) U.S. Pat., 4,143,942; 99

Fiber Optic Cable Termination Means. (AMP Inc.) U.S. Pat., 4,178,068; 625

Fiber Optic Connector. (ITT Industries, Inc.) U.S. Pat., 4,168,108; 447

Fiber Optic Connector Apparatus with Optical Fibers Having Thermally Deformable Jacket Material. (Kabel- und Metallwerke Gutehoffnungshuette AG, W. Germ.) U.S. Pat., 4,168,109; 447

Fiber Optic Connector Assembly. (Bunker Ramo Corp.) U.S. Pat., 4,140,366; 41

Fiber Optic Connector with Protective Cable Sleeves. (ITT Industries, Inc.) Can. Pat., 1,041,335; 41

Fiber Optic Control Modules and System Employing the Same. (Miller Fluid Power Corp.) U.S. Pat., 4,170,731; 507

Fiber Optic Coupler with Concave Spherical Reflecting Elements. (U.S. Navy). U.S. Pat., 4,156,556; 217

Fiber Optic Eccentric Connector. (ITT Industries Inc.) U.S. Pat., 4,146,300; 101

Fiber Optic Interface for Combined Signal Transmission and Detection. (TRW Inc.) U.S. Pat., 4,169,656; 507

Fiber Optic Interface Junction Assembly. (Westinghouse Electric Corp.) U.S. Pat., 4,153,331; 218

Fiber Optic Position Indicator. (International Telephone and Telegraph Corp.) U.S. Pat., 4,162,119; 334

Fiber Optic T-Coupler. (Patelhold Patentverwertungs- & Electro-Holding AG, Switz.) U.S. Pat., 4,173,390; 565

Fiber Optic Tubular Star Connector. (ITT Industries, Inc.) Can. Pat., 1,041,334; 41

Fiber Optic Waveguide Connector. (S. C. Cabling, Inc.) U.S. Pat., 4,181,401; 686

Fibre-Optic Cable. (Smiths Industries Ltd., Eng.) U.S. Pat., 4,184,743; 682

Fibre Optic Connector. (International Telephone & Telegraph Corp.) U.S. Pat., 4,185,886; 685

Filament-to-Device Coupler. (Corning Glass Works). U.S. Pat. 4,184,741; 686

Filter for a Light Wave in a Light Guiding Fiber. (Siemens AG W. Germ.) U.S. Pat., 4,139,262; 41

Filter Rotator for Coherent Optical Correlation System. (General Motors Corp.) U.S. Pat., 4,174,885; 570

Flexible Optical Transducer. (International Standard Electric Corp.) U.S. Pat., 4,142,774; 85

Floating Head Laser Mirror Assembly. (U.S. Air Force). U.S. Pat., 4,175,835; 554

Flow Channel for Fluid Medium Laser. (Jersey Nuclear-Avco Isotopes, Inc.) U.S. Pat., 4,170,762; 498

Fluid Laser Flow Channel Liner. (Jersey Nuclear-Avco Isotopes, Inc.) U.S. Pat., 4,178,565; 603

Flying Spot Fluoro-Meter for Oxidized Flavoprotein and Reduced Pyridine Nucleotide. (University of Pennsylvania). U.S Pat., 4,162,405; 341

Focused Doppler Radar. (Raytheon Co.) U.S. Pat., 4,167,32 449

Forming Focusing Diffraction Gratings for Integrated Optics. (Bell Telephone Labs., Inc.) U.S. Pat., 4,140,362; 39

Four Port Optical Internal Reflectance Switchable Coupler. (Sperry Corp.) U.S. Pat., 4,185,884; 686

Fourier-Transform Holography by Pseudo-Random Phase Shifting. (Matsushita Electric Industrial Co., Ltd., Jap.) Can. Pat., 1,053,042; 281

Frequency Agile Optical Radar. (U.S. Navy). U.S. Pat., 4,184,767; 690

Frequency Selective Optical Data Storage System. (IBM Corp U.S. Pat., 4,158,890; 283

Frequency Stabilized Laser. (U.S. Dept. of Commerce). U.S. Pat., 4,184,127; 664

Fringe Counting Interferometric System for High Accuracy Measurements. (U.S. Dept. of Commerce). U.S. Pat., 4,165,183; 384

Galium Aluminum Arsenide Graded Index Waveguide. (International Telephone & Telegraph Corp.) U.S. Pat., 4,152,044; 216

Gas Discharge Laser. (N.V. Philips'Gloeilampenfabrieken, Neth.) Can. Pat., 1,056,937; 315

Gas Discharge Laser. (U.S. Philips Corp.) U.S. Pat., 4,152,67 193

Gas Discharge Lasers. (Philips Electronic & Associated Industries Ltd.) Brit. Pat. Spec., 1,538,115; 81. 1,552,186; 486

Gas Dynamic Reaction Process and System for Laser Chemistry. (Westinghouse Electric Corp.) U.S. Pat., 4,176,024; 553

Gas Laser Device. (Compagnie Generale d'Electricite S.A., Fr.) U.S. Pat., 4,143,338; 81

Gas Lasers. (IBM Corp.) Brit. Pat. Spec., 1,551,457; 486

Gas Lasers. (Xerox Corp.) Brit. Pat. Spec., 1,536,624; 34

Gas Lasers with Platinum Black Cathode. (Ferranti Ltd., Eng.) U.S. Pat., 4,156,856; 193

Generation of 14 μm and 16 μm Laser Radiation from a CO_2 Gas Laser. (Westinghouse Electric Corp.) U.S. Pat., 4,168,474; 424

Geometrical Transformations in Optics. (Xerox Corp.) U.S. Pat., 4,138,190; 43

Glass for Faraday Rotation Elements. (Hoya Corp.) U.S. Pat., 4,168,176; 428

Glass Fiber Light Guide and Method of Making the Same. (American Hospital Supply Corp.) U.S. Pat., 4,173,392; 562

Graded Index Optical Fiber. (Bell Telephone Labs., Inc.) U.S. Pat., 4,176,911; 625

Gradient Fiber. (Siemens AG, W. Germ.) U.S. Pat., 4,158,479; 275

Gradient Optical Fiber. (Siemens AG, W. Germ.) U.S. Pat., 4,179,188; 624

Grating Coupled Waveguide Laser Apparatus. (IBM Corp.) U.S. Pat., 4,156,206; 218

Groove Depth Estimation System Using Diffractive Groove Effects. (RCA Corp.) U.S. Pat., 4,155,098; 223

Half Wave Protection Layers on Injection Lasers. (RCA Corp.) U.S. Pat., 4,178,564; 599

Hand Tool for Cutting an Optical Fibre. (Compagnie Industrielle des Telecommunications, Fr.) U.S. Pat., 4,179,807; 626

Hermaphroditic Fiber Optic Connector. (International Telephone and Telegraph Corp.) U.S. Pat., 4,184,742; 686

Heterodyne Optical Correlator. (U.S. Army). U.S. Pat., 4,158,503; 271

Heterostructure Devices Including Tapered Optical Couplers. (Western Electric Co., Inc.) Can. Pat., 1,044,356; 76

Heterostructure Diode Injection Laser Having a Constricted Active Region. (IBM Corp.) U.S. Pat., 4,166,253; 367

Hetero-Structure Injection Laser. (Hitachi, Ltd., Jap.) U.S. Pat., 4,142,160; 17

High Energy Coherent Pulse Source for Laser System. (Rockwell International Corp.) U.S. Pat., 4,163,954; 315

High-Energy Laser. (Kraftwerk Union AG, W. Germ.) U.S. Pat., 4,169,250; 436

High Gain Laser Spectrometer. (Raytheon Co.) U.S. Pat., 4,176,959; 621

High Input Power Laser Device. (U.S. Navy). U.S. Pat., 4,150,341; 146

High Peak Power Microwave Generator Using Light Activated Switches. (Westinghouse Electric Corp.) U.S. Pat., 4,176,295; 551

High Performance Dye Laser and Flow Channel Therefor. (Jersey Nuclear-Avco Isotopes, Inc.) U.S. Pat., 4,176,324: 540

High Power Gas Laser. (RCA Ltd., Can.) Can. Pat., 1,064,151; 554

High Power Molecular Gas Laser. (Westinghouse Electric Corp.) U.S. Pat., 4,181,897; 674

High Power Optical Second Harmonic Generation in Non-Linear Crystals. (General Electric Co.) U.S. Pat., 4,181,899; 666

High Precision Pattern Registration and Overlay Measurement System and Process. (IBM Corp.) U.S. Pat., 4,172,664; 501

High Resolution Halftone Microimages and Method Therefor. (Minnesota Mining & Manufacturing Co.) U.S. Pat., 4,153,457; 209

High-Speed Electrooptical A/D Converter. (U.S. Navy). U.S. Pat., 4,182,274; 689

Hologram Apparatus for Testing Welds. (Laser Technology, Inc.) U.S. Pat., 4,171,914; 511

Hologram and Method of Production Thereof. (Canon Kabushiki Kaisha, Jap.) U.S. Pat., 4,172,724; 511

Hologram and Method of Production Using Two Solvent Treatments. (Canon Kabushiki Kaisha, Jap.) U.S. Pat., 4,173,474; 569

Holographic Device for Obtaining a Coded Image of an Object Emitting X-Rays or Gamma-Rays. (Agence Nationale de Valorisation de la Recherche, Fr.) U.S. Pat., 4,146,295; 108

Holographic Field Lens Detector. (U.S. Air Force). U.S. Pat., 4,181,435; 692

Holographic Installation. (Siemens AG, W. Germ.) U.S. Pat., 4,182,316; 693

Holographic Reading Apparatus with an Area Identification and Density Reference Scan. (Ricoh Co., Ltd., Jap.) U.S. Pat., 4,149,269; 161

Holographic Verification System with Indexed Memory. (Optical Data System). U.S. Pat., 4,163,290; 339

Holography Using a $Bi_{12}SiO$ or $Bi_{12}GeO_{20}$ Recording Medium. (Thomson-CSF, Fr.) U.S. Pat., 4,138,189; 47

Hydrogen-Gas Laser Method and Apparatus. (Max-Planck-Gesellschaft z. Forderung der Wissenschaften e.V., W. Germ.) U.S. Pat., 4,159,453; 252

Hydrogen Lasers. (Max-Planck-Gesellschaften e.V., W. Germ.) Brit. Pat. Spec., 1,552,087; 482

Image Transfer Laser Engraving. (Optical Engineering Inc.) U.S. Pat., 4,156,124; 209

Impingement Cooled Deformable Laser Mirror. (U.S. Navy). U.S. Pat., 4,143,946; 83

Infra Red Transmitting Glasses. (Secretary of State for Defence, Eng.) U.S. Pat., 4,154,503; 196

Infrared Detection Apparatus. (General Electric Co.) U.S. Pat., 4,178,522; 628

Injection Laser Stabilization. (The Post Office, Eng.) U.S. Pat., 4,166,985; 432

Injection Lasers. (International Standard Electric Corp.) U.S. Pat., 4,163,952; 311

Input-Output Coupler for Multi-Mode Optical Fibers. (Siemens AG, W. Germ.) U.S. Pat., 4,164,364; 335

Integrated Grating Output Coupler in Diode Lasers. (Xerox Corp.) Can. Pat., 1,049,640; 156

Interferometer. (—) U.S. Pat., 4,183,670; 690

Interferometer which Corrects for Spurious Vibrations. (U.K. Atomic Energy Authority, Eng.) U.S. Pat., 4,180,328; 618

Interferometer for the Measurement of Plasma Density. (U.S. Dept. of Energy). U.S. Pat., 4,183,671; 668

Interferometric Apparatus and Process. (IBM Corp.) U.S. Pat., 4,167,337; 451

Interferometric Process & Apparatus for the Measurement of the Etch Rate of Opaque Surfaces. (IBM Corp.) U.S. Pat., 4,147,435; 160

Internal Arrester Beam Clipper. (U.S. Air Force). U.S. Pat., 4,168,473; 436

Internal Laser Mirror Alignment Fixture. (Xerox Corp.) U.S. Pat., 4,149,779; 143

Iron-Doped Indium Phosphide Semiconductor Laser. (U.S. Navy). U.S. Pat., 4,158,207; 251

Isotope Dissociation Selective Electron Attachment and Separation. (Westinghouse Electric Corp.) U.S. Pat., 4,176,025; 552

Isotope Enrichment. (Westinghouse Electric Corp.) U.S. Pat., 4,166,951; 434

Isotope Separation Process. (Exxon Research & Engineering Co.) U.S. Pat., 4,155,822; 204. 4,158,615; 264

Isotopically Selective Excitation from Plural Low Levels to Distinct Excited Levels. (Jersey Nuclear-Avco Isotopes, Inc.) U.S. Pat., 4,158,139; 265

Laminated Strength Members for Fiber Optic Cable. (Akzona Inc.) U.S. Pat., 4,169,657; 505

Laser Aiming Device for Weapons. (—) U.S. Pat., 4,152,754; 207

Laser Alteration of Accommodation Coefficient for Isotope Separation. (Jersey Nuclear-Avco Isotopes, Inc.) Can. Pat., 1,045,725; 92

Laser Amplification System. (Compagnie General d'Electricite Fr.) U.S. Pat., 4,186,353; 667

Laser Amplifier System. (Jersey Nuclear-Avco Isotopes, Inc.) Can. Pat., 1,045,234; 83

Laser Annealing. (Western Electric Co., Inc.) U.S. Pat., 4,151,014; 149

Laser Apparatus. (NASA). U.S. Pat., 4,173,001; 487

Laser Apparatus. (U.K. Atomic Energy Authority, Eng.) U.S Pat., 4,142,191; 48

Laser Arrays. (IBM Corp.) Brit. Pat. Spec., 1,546,984; 388

Laser Autoalignment System Using Distortion Compensated Reflection Grating. (U.S. Navy). U.S. Pat., 4,140,398; 31

Laser Beam Arrangement. (—) U.S. Pat., 4,163,200; 316

Laser Beam Error Correcting Process. (National Semiconductor Corp.) U.S. Pat., 4,154,530, 209

Laser Beam Level Control with Automatic Override. (—) U.S Pat., 4,173,258; 557

Laser Beam Reflector Assembly Adapted for External Attachment to Target Aircraft. (Saab-Scania AG, Swed.) U.S. Pat., 4,145,111; 94

Laser Cavities with Gas Flow Through the Electrodes. (Westinghouse Electric Corp.) Can. Pat., 1,049,641; 146

Laser Cavity Structure. (—) U.S. Pat., 4,151,487; 137

Laser Computer Output Microfilmer with Electrical Misalignment Correction. (Fuji Photo Film Co., Ltd., Jap.) U.S. Pat., 4,178,471; 627

Laser Cutting of Tubular Articles. (Owens-Illinois, Inc.) U.S. Pat., 4,174,476; 556

Laser Diode Collimation Optics. (Grumman Aerospace Corp. U.S. Pat., 4,185,891; 671

Laser Diode with Thermal Conducting, Current Confining Film. (RCA Corp.) U.S. Pat., 4,182,995; 660

Laser Distance Measuring Apparatus. (MITEC-Moderne Industrietechnik GmbH, W. Germ.) U.S. Pat., 4,181,431; 678

Laser Doppler Velocity Simulator. (NASA). U.S. Pat., 4,176,950; 620

Laser Dyes Comprising Fluorescent and Laser Dyestuff Residues. (Max-Planck-Gesellschaft z. Forderung der Wissenshaften e.V., W. Germ.) U.S. Pat., 4,165,434; 364

Laser-Elimination of Mode Beating. (Redifon Flight Simulation Ltd., Eng.) U.S. Pat., 4,145,712; 89

Laser Force-Measuring System Biasing. (Standard Oil Co.) U.S. Pat., 4,155,251; 209

Laser Fusion Optical System. (The Perkin Elmer Corp.) U.S. Pat., 4,179,192; 612

Laser Gain Tube. (United Technologies Corp.) U.S. Pat., 4,158,821; 258

Laser Gauge for Measuring Changes in the Surface Contour of a Moving Part. (The Boeing Co.) U.S. Pat., 4,148,587; 150

Laser Gyroscope. (Raytheon Co.) Brit. Pat. Spec., 1,552,889; 567

Laser Gyroscope and Method. (University of Utah). Can. Pat., 1,053,784; 278

Laser Gyroscope Output Optics Structure. (Raytheon Co.) U.S. Pat., 4,141,651; 44

Laser Gyroscopes. (Raytheon Co.) Brit. Pat. Spec., 1,550,578 & 1,550,579; 509

Laser Immunoassay. (General Electric Co.) U.S. Pat., 4,171,956; 513

Laser Interferometer Probe. (U.S. Air Force). U.S. Pat., 4,171,915; 501

Laser Interferometry Detection Method/Apparatus for Buried Structure. (Johns Hopkins University). U.S. Pat., 4,172,382; 508

Laser Isotope Separation Using Selective Inhibition and Encouragement of Dimer Formation. (Jersey Nuclear-Avco Isotopes, Inc.) U.S. Pat., 4,179,272; 613

Laser Manipulator Apparatus with Double Pivotal Mirrors. (Asahi Kogaku Kogyo Kabushiki Kaisha, Jap.) U.S. Pat., 4,174,154; 544

Laser Marksmanship Target. (U.S. Navy). U.S. Pat., 4,177,580: 615

Laser Measuring System for Inspection. (Recognition Equipment Inc.) U.S. Pat., 4,158,507; 281

Laser Mirror with Coolant Fluid Transfer Manifold. (United Technologies Corp.) U.S. Pat., 4,175,834; 555

Laser Mirror Scatter and Reflectivity Measuring System. (The Singer Co.) U.S. Pat., 4,156,571; 209

Laser Monitor and Control System. (Rockwell International Corp.) U.S. Pat., 4,160,218; 313

Laser Ophthalmological Unit. (Academy of Science, USSR). U.S. Pat., 4,164,222; 340

Laser Photochemical Separation of Hydrogen Isotopes. (United Technologies Corp.) U.S. Pat., 4,171,251; 497

Laser Pile Cutter. (U.S. Navy). U.S. Pat., 4,151,393; 148

Laser Plasma Tube Having Internal Gas Path. (Lexel Corp.) U.S. Pat., 4,143,339; 90

Laser Plasmatron. (U.S. Army). U.S. Pat., 4,179,599; 617

Laser Pumping Assembly. (GTE Sylvania Inc.) U.S. Pat., 4,181,900; 659

Laser Reflector with Reduced Electric Field Intensity. (Optical Coating Lab., Inc.) U.S. Pat., 4,147,409; 137

Laser Resistance Trimmer. (—) U.S. Pat., 4,184,062; 677

Laser Safety Goggles. (U.S. Navy). U.S. Pat., 4,151,411; 163

Laser Scan Converter. (U.S. Navy). U.S. Pat., 4,139,258; 49

Laser Scanner for Photolithography of Slotted Mask Color Cathode Ray Tubes. (GTE Labs., Inc.) U.S. Pat., 4,176,925; 631

Laser Telemeter. (Compagnie Industrielle des Lasers, Fr.) U.S. Pat., 4,148,584; 158

Laser with Travelling Wave Excitation. (—) U.S. Pat., 4,166,252: 366

Laser Welding. (Union Carbide Corp.) U.S. Pat., 4,185,185; 677

Laserbeam Recording. (AGFA-Gevaert N.V., Belg.) U.S. Pat., 4,139,853; 49

Lasers. (—) Brit. Pat. Spec., 1,548,333; 425 & 1,549,826; 447

Lasers. (BOC Ltd. and Saipem SpA). Brit. Pat. Spec., 1,553,582; 557

Lasers. (Coherent Radiation, Inc.) Brit. Pat. Spec., 1,544,832; 312 & 1,551,165; 483

Lasers. (Compagnie Generale d'Electricite S.A., Fr.) Brit. Pat. Spec., 1,544,145; 186 & 1,544,823; 546

Lasers. (Hitachi Ltd., Jap.) Brit. Pat. Spec., 1,550,037; 429

Lasers. (Jersey Nuclear-Avco Isotopes, Inc.) Brit. Pat. Spec., 1,551,119; 482 & 1,555,232; 596

Lasers. (Kraftwerk Union AG). Brit. Pat. Spec., 1,536,255; 22

Lasers. (Licentia Patent Verwaltungs GmbH). Brit. Pat. Spec., 1,543,405; 193

Lasers. (Philips Electronic and Associated Industries, Ltd.) Brit. Pat. Spec.,1,551,359; 507

Lasers. (Post Office, UK). Brit. Pat. Spec., 1,551,724; 486

Lasers. (Raytheon Co.) Brit. Pat. Spec., 1,535,444; 44

Lasers. (Sanders Associates, Inc.) Brit. Pat. Spec., 1,554,926; 544

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Lasers. (Standard Telephone & Cables Ltd., U.K.) Brit. Pat. Spec., 1,544,241; 218 & 1,545,093; 335

Lasers. (Telefonaktiebolaget L. M. Ericsson, Swed.) Brit. Pat. Spec., 1,546,024; 316

Lasers. (U.K. Atomic Energy Authority). Brit. Pat. Spec., 1,536,438; 23

Lasers. (U.S. Dept. of Energy). Brit. Pat. Spec., 1,534,929 & 1,537,388; 20

Lasers. (Xerox Corp.) Brit. Pat. Spec., 1,539,912; 134

Lasers; Discharge Devices. (Hughes Aircraft Co.) Brit. Pat. Spec., 1,555,198; 606

Lasers for Use with Photocoagulators. (Consiglio Nazionale delle Ricerche, It.) Can. Pat., 1,052,464; 224

Lasing Device and Method. (—) Can. Pat., 1,049,639: 135

Lasing Device and Method Using Mercury and Cadmium or Ammonia. (—) Can. Pat., 1,045,236; 79

LED Fiber Optic Connector. (AMP Inc.) U.S. Pat., 4,170,399; 507

Lens Free of Back Focal Points for Use with High Power Light Beams. (Quanta-Ray, Inc.) U.S. Pat., 4,156,209; 202

Light Conducting Fiber. (Heraeus Quarzschmelze GmbH, W. Germ.) U.S. Pat., 387

Light Coupling and Modulating Means. (International Standard Electric Corp.) U.S. Pat., 4,184,735; 684

Light Distributor for Optical Communication Systems. (Siemens AG, W. Germ.) U.S. Pat., 4,139,259; 41

Light Emitting Element Drive System. (Fujitsu Ltd., Jap.) U.S. Pat., 4,149,071; 156

Light Modulator. (Nippon Telegraph & Telephone Public Corp.) U.S. Pat., 4,145,121; 85

Light Scanning System. (Fujitsu Ltd., Jap.) U.S. Pat., 4,165,464; 396

Light Scattering Photometer and Sample Handling System Therefor. (Chromatix, Inc.) U.S. Pat., 4,178,103; 618

Light Transmitting Fiber Cable Connector. (AMP Inc.) U.S. Pat., 4,167,303; 447

Limited Mode Optical Fiber. (International Standard Electric Corp.) Can. Pat., 1,061,617; 505

Linear Electron Beam Gun Evaporator Having Uniform Electron Emission. (Jersey Nuclear-Avco Isotopes, Inc.) U.S. Pat., 4,171,462; 480

Low Attenuation Optical Fiber of Deuterated Polymer. (E. I. Du Pont de Nemours and Co.) U.S. Pat., 4,138,194; 38

Low Loss Directional Coupling for Optical Fibres. (Northern Telecom Ltd., Can.) U.S. Pat., 4,165,150; 389

Low Loss Optical Data Terminal Device for Multimode Fiber Guide Optical Communication Systems. (Sperry Rand Corp.) U.S. Pat., 4,143,941; 102

Magneto Optical Deflector. (Thomson-CSF, Fr.) U.S. Pat., 4,143,939; 84

Manufacture of Optical Fibre Cables with Simultaneous Layin (Lignes Telegraphiques et Telephoniques, Fr.) U.S. Pat., 4,156,624; 218

Means for In-Line Connection of Optical Fiber Pairs. (AMP Inc.) U.S. Pat., 4,162,821; 335

Means and Method for Processing Chemicals with Radiation. (Texas Gas Transmission Corp.) U.S. Pat., 4,144,150; 93

Means for Reducing Nuclear Radiation-Induced Fluorescence Noise in Fiber-Optics Communications Systems. (U.S. Army) U.S. Pat., 4,164,650; 333

Measurement of Surface Roughness. (—) U.S. Pat., 4,145,14 95

Metal Film Recording Media for Laser Writing. (Western Electric Co., Inc.) Can. Pat., 1,048,842; 108

Metal Vapour Lasers. (Xerox Corp.) Brit. Pat. Spec., 1,547,701; 370

Method for Adjusting the Radius of Curvature of a Spherical Mirror. (Ford Aerospace & Communications Corp.) U.S. Pat. 4,162,825; 318

Method and Apparatus for Automatically Reacquiring a Predetermined Output Radiation Frequency in a Tunable Laser System Despite Momentary Perturbations of Laser Oscillation. (Coherent, Inc.) U.S. Pat., 4,150,342; 134

Method and Apparatus for the Focal Form Cutting of a Moving Web of Material by a Laser Beam. (Winkler & Dunnebier Maschinefabrik und Eisengiesserei KG, W. Germ.) U.S. Pat., 4,160,894; 328

Method and Apparatus for Forming Optical Cables. (Norther Telecom Ltd., Can.) U.S. Pat., 4,154,049; 215

Method and Apparatus for Generating Coherent 14 and 16 M cron Radiation. (U.S. Dept. of Energy). Can. Pat., 1,044,79 79

Method and Apparatus for Interferometric Deformation Analysis. (Dr. Ralph M. Grant Engineering Consultant, Inc.) U.S. Pat., 4,139,302; 46

Method and Apparatus for Laser Zone Melting. (Hitachi Ltd. Jap.) U.S. Pat., 4,177,372; 617

Method and Apparatus for Measuring Deformation of a Workpiece Surface Responsive to Ultrasonic Energy. (Krautkrame Branson, Inc.) U.S. Pat., 4,180,324; 619

Method and Apparatus for Measuring the Motility of Sperm Cells. (SEM Israel Ltd., Isr.) U.S. Pat., 4,176,953; 632

Method and Apparatus for Measuring Retinal Blood Flow. (National Research Development Corp., Eng.) U.S. Pat., 4,166,695; 453

Method and Apparatus for Optically Reproducing a Rotatable Record with a Scanning Light Beam of Changing Size. (Sony Corp., Jap.) U.S. Pat., 4,157,568; 283

Method and Apparatus for Producing Acoustic Waves by Laser Pulses. (Krautkramer-Branson, Inc.) U.S. Pat., 4,169,662; 511

Method and Apparatus for Producing Laser Radiation Following Two-Photon Excitation of a Gaseous Medium. (U.S. Dept. of Energy). U.S. Pat., 4,140,978; 22

Method and Apparatus for Producing Small Hollow Spheres. (U.S. Dept. of Energy). U.S. Pat., 4,163,637; 325

Method and Apparatus for Providing Perfect Alignment of Optical Fibers Contained in Connectors. (Sea-Log Corp.) U.S. Pat., 4,167,304; 447

Method and Apparatus for Reducing the Effect of Laser Noise in a Scanning Laser Read System. (Xerox Corp.) U.S. Pat., 4,150,402; 163

Method and Apparatus for Separating Isotopes from a Gas by Means of a Laser. (Messerschmitt-Bolkow-Blohm GmbH, W. Germ.) U.S. Pat., 4,156,811; 204

Method and Apparatus for Suppressing Electron Generation in a Vapor Source for Isotope Separation. (Jersey Nuclear-Avco Isotopes, Inc.) U.S. Pat., 4,159,421; 265

Method and Apparatus for Terminating Optical Fibres. (Lee Green Precision Industries Ltd., Eng.) U.S. Pat., 4,182,017; 686

Method of and Arrangement for Producing Coherent Mode Radiation. (Licentia Patent-Verwaltungs GmbH, W. Germ.) U.S. Pat., 4,101,845; 22

Method for Cavity Dumping a Q-Switched Laser. (United Technologies Corp.) U.S. Pat., 4,176,327; 545

Method for Determining the Refractive Index Profile of Optical Fibers and Optical Fiber Preforms. (Bell Telephone Labs., Inc.) U.S. Pat., 4,181,433; 682

Method and Device for Connecting Optical Fibres. (Les Cables de Lyon, Fr.) U.S. Pat., 4,148,559; 156

Method and Device for Excitation and Selective Dissociation by Absorption of Laser Light and Application to Isotopic Enrichment. (Commissariat a l'Energie Atomique, Fr.) U.S. Pat., 4,144,453; 92

Method of Drawing Optical Filaments. (Corning Glass Works). U.S. Pat., 4,154,592; 185

Method of Fabricating an Elliptical Core Single Mode Fiber. (International Telephone and Telegraph Corp.) U.S. Pat., 4,184,859; 656

Method for Forming Electrically Charged Laser Targets. (U.S. Dept. of Energy). U.S. Pat., 4,138,609; 29

Method for Forming P-N Junctions and Solar-Cells by Laser-Beam Processing. (U.S. Dept. of Energy). U.S. Pat., 4,147,563; 149

Method for Generating Laser Pulses by Means of a Gas Laser and Apparatus for Carrying out the Method. (Lasag AG, Switz.) U.S. Pat., 4,150,343; 135

Method of Increasing the Light Produced by a Laser Beam. (Compagnie Generale d'Electricite, Fr.) U.S. Pat., 4,146,307; 94

Method of Joining Optical Fibers with a Link Piece. (International Standard Electric Corp.) U.S. Pat., 4,183,737; 686

Method for Jointing of Dielectric Optical Waveguides. (The Post Office, Eng.) U.S. Pat., 4,151,030; 156

Method of Lasing with 7-Hydroxy-Coumarin-8-Methyleneimino-bisacetic Acid and Metal Complexes Thereof. (U.S. Navy). U.S. Pat., 4,173,002; 482

Method of Making Dielectric Optical Waveguides. (The Post Office, Eng.) U.S. Pat., 4,181,515; 656

Method of Making Dry Optical Waveguides. (Corning Glass Works). U.S. Pat., 4,165,223; 364

Method of Making Glass Optical Fibers. (Jenaer Glaswerk Schott & Gen., W. Germ.) U.S. Pat., 4,148,621; 128

Method of Making a Miniature Fiber Optic Connector. (Sanders Associates, Inc.) U.S. Pat., 4,179,801; 626

Method for Making Output/Input Coupler for Multi-Mode Glass Fibers. (Siemens AG, W. Germ.) U.S. Pat., 4,142,877; 102

Method of Manufacturing Graded Index Optical Fibers. (Exxon Research & Engineering Co.) U.S. Pat., 4,163,654; 306

Method of Manufacturing Limited Mode Optical Fiber. (International Standard Electric Corp.) U.S. Pat., 4,140,505; 38

Method of Manufacturing Optical Fibre Preforms. (International Standard Electric Corp.) U.S. Pat., 4,165,224; 364

Method of Material Processing Utilizing an Interrupted Beam of Continuous Wave Laser Radiation. (United Technologies Corp.) U.S. Pat., 4,152,575; 208

Method for Measuring Dopant Concentrations in Optical Fibers and Preforms. (Bell Telephone Labs., Inc.) U.S. Pat., 4,161,656; 333

Method of Mounting a Fuel Pellet in a Laser-Excited Fusion Reactor. (U.S. Dept. of Energy). U.S. Pat., 4,142,088; 29

Method for Processing Fiberoptic Electronic Components of Electronic Vacuum Devices. (Litton Systems Inc.) U.S. Pat., 4,179,596; 593

Method for Producing Aluminum Holographic Masters. (RCA Corp.) Can. Pat., 1,045,428; 108

Method of Producing Internally Coated Glass Tubes for the Drawing of Fiber-Optic Light Conductors. (U.S. Philips Corp.)

U.S. Pat., 4,145,458; 72

Method of Producing Internally Coated Glass Tubes for the Drawing of Fibre Optic Light Conductors. (—) U.S. Pat., 4,145,456; 72

Method for Producing Laser Plasma Tube & Product. (Spectra-Physics, Inc.) U.S. Pat., 4,176,892; 603

Method for Producing a Light Conducting Fiber. (Siemens AG, W. Germ.) U.S. Pat., 4,173,459; 536

Method for Producing Light Conducting Fibers. (Siemens AG, W. Germ.) U.S. Pat., 4,141,710; 14

Method of Producing an Optical Fiber. (Fujitsu Ltd., Jap.) U.S. Pat., 4,149,867; 128

Method of Producing Optoelectronic Devices with Control of Light Propagation by Proton Bombardment. (Northern Telecom Ltd., Can.) U.S. Pat., 4,138,274; 14

Method for the Production of Optical Directional Couplers. (Siemens AG, W. Germ.) U.S. Pat., 4,145,457; 102

Method of Providing Recessed Optical Fiber Ends for Use in Connector Structures. (Minnesota Mining & Manufacturing Co.) U.S. Pat., 4,148,554; 156

Method of Pumping. (National Defence Ministry, Can.) U.S. Pat., 4,143,337; 75

Method of Reducing Absorption Losses in Fused Quartz and Fused Silica Optical Fibers. (RCA Corp.) U.S. Pat., 4,157,253; 247

Method for Regulating the Output Power of a Semiconductor Laser. (Licentia Patent-Verwaltungs-GmbH, W. Germ.) U.S. Pat., 4,181,901; 660

Method for Separating Gaseous Mixtures of Matter. (Kraftwerk Union AG, W. Germ.) U.S. Pat., 4,158,614; 265

Method of Separating Isotopes. (Kraftwerk Union AG, W. Germ.) U.S. Pat., 4,139,435; 30

Method for Separation and Enrichment of Lithium Isotopes by Laser. (Ministry of International Trade & Industry, Jap.) U.S. Pat., 4,149,077; 144

Method and System for in situ Control of Material Removal Processes. (IBM Corp.) U.S. Pat., 4,179,622; 615

Method of Testing Fuel-Injector Spray Nozzles. (Robert Bosch GmbH, W. Germ.) U.S. Pat., 4,165,635; 385

Method for Transmitting Two-Dimensional Information and System for Effecting Same. (—) U.S. Pat., 4,142,773; 107

Method of Working Outer Periphery of Articles with Laser Light. (Koyo Seiko Co., Ltd., Jap.) U.S. Pat., 4,170,726; 499

Methods and Apparatus for Cutting and Welding. (National Research Development Corp., Eng.) U.S. Pat., 4,167,662; 439

Methods and Apparatus for Measuring Variations in Distance to a Surface. (National Research Development Corp., Eng.) U.S. Pat., 4,139,304; 34

Microinterferometer Transducer. (U.S. Dept. of Energy). U.S Pat., 4,153,370; 210

Mode Control of Heterojunction Injection Lasers and Method of Fabrication. (Xerox Corp.) U.S. Pat., 4,185,256; 660

Mode-Locked Optical Parametric Oscillator Apparatus. (GTE Sylvania Inc.) U.S. Pat., 4,180,751; 605

Molded Optical Fiber Connector. (Bell Telephone Labs., Inc.) U.S. Pat., 4,173,389; 565

Moving Target Screen with Improved Optical Control. (U.S. Army). U.S. Pat., 4,163,328; 327

Multi-Channel Coupler for fibres Optic Links. (Thomson-CSF Fr.) U.S. Pat., 4,184,740; 687

Multifiber Cable Splicer. (International Telephone & Telegraph Corp.) U.S. Pat., 4,148,553; 156

Multi-Grating Attenuator for High Power Pulsed Laser Beams (U.S. Army). U.S. Pat., 4,167,666; 437

Multimode Electrooptic Waveguide Switch. (U.S. Navy.) U.S Pat., 4,172,630; 507

Multimode Optic Device. (Sperry Rand Corp.) U.S. Pat., 4,148,556; 157 & 4,168,107; 448

Multimode Optical Fiber Waveguide with Graded Refractive Index. (Western Electric Co., Inc.) Can. Pat., 1,050,796; 215

Multimode Waveguide with Enhanced Coupling with Guided Modes. (Corning Glass Works). U.S. Pat., 4,163,601; 333

Multipass Laser Amplification with Near-Field Far-Field Optical Separation. (U.S. Dept. of Energy). U.S. Pat., 4,156,852; 195

Multi-Photon Photoionization Trace Vapor Detector. (The Aerospace Corp.) U.S. Pat., 4,170,736; 508

Multiple Channel Connector for Fiber Optic Cables. (Bunker Ramo Corp.) U.S. Pat., 4,140,367; 42

Multiple Color Laser Light Image Generator. (Laser Images, Inc.) Can. Pat., 1,043,599; 49

Multiple Connector for Optical Fibres. (Northern Telecom Ltd., Can.) U.S. Pat., 4,182,546; 687

Multiple Fiber Laminate for Optical Waveguides. (General Cable Corp.) U.S. Pat., 4,138,193; 38

Multiple Mode Waveguide Having Cylindrical Perturbations. (Corning Glass Works). U.S. Pat., 4,179,187; 624

Multiplexed Optical Communication System. (Thomson-CSF Fr.) U.S. Pat., 4,146,783; 99

Night Guiding Device for Self-Propelled Missiles. (S.A. de Telecommunications, Fr.) U.S. Pat., 4,183,482; 676

Nitrogen Fixation with a High Energy Laser. (U.S. Army). U.S. Pat., 4,167,463; 435

Nonlinear Optics Microscope Interferometer. (—) U.S. Pat., 4,184,737; 678

Nuclear-Pumped Uranyl Salt Laser. (United Technologies Corp.) U.S. Pat., 4,160,956; 310

Oil Concentration Detector. (ITT Industries, Inc.) U.S. Pat., 4,146,799; 95

Optic Scattering Acoustic Transducer. (U.S. Navy). U.S. Pat., 4,155,065; 199

Optical Achromatization for Acoustooptic Deflectors. (Eastman Kodak Co.) U.S. Pat., 4,150,880; 138

Optical Apparatus. (Erwin Sick GmbH Optik-Elektronik, W. Germ.) U.S. Pat., 4,181,398; 678

Optical Boresight Method for Nutating System. (U.S. Army). U.S. Pat., 4,179,085; 615

Optical Circuit Element. (Agency of Industrial Science & Technology, Jap.) U.S. Pat., 4,162,460; 333

Optical Combiner/Distributor Using V-Shaped Mirror Assembly. (Jersey Nuclear-Avco Isotopes, Inc.) U.S. Pat., 4,154,507: 218

Optical Component Element. (Siemens AG, W. Germ.) U.S. Pat., 4,170,396; 499

Optical Control System for Read Out From Information Recording Medium. (Mansei Kogyo Kabushiki Kaisha, Jap.) U.S. Pat., 4,165,519; 396

Optical Coupler System. (Harris Corp.) U.S. Pat., 4,182,545; 687

Optical Crosspoint Switch Having Mode-Conversion Facilities. (Bell Telephone Labs., Inc., U.S. Pat., 4,153,329; 219

Optical Device for Projecting a Radiation Beam Onto a Data Carrier. (Thomson-Brandt, Fr.) U.S. Pat., 4,139,263; 49

Optical Disc Reader Having Diffraction Minima at Non-Interrogated Tracks. (Thomson-CSF, Fr.) U.S. Pat., 4,171,879; 513

Optical Encoder with Fiber Optics. (BEI Electronics, Inc.) U.S. Pat., 4,162,399; 335

Optical Equalizer with Graded Refractive Index Profile for Signal Transmission Via Multimode Optical Waveguides. (CSELT-Centro Studi e Laboratori Telecomunicazioni SpA, It.) Can. Pat., 1,065,174; 563

Optical Fiber. (Hitachi, Ltd.; Hitachi Cable, Ltd., Jap.) U.S. Pat., 4,184,744; 682

Optical Fiber Bundle with Field Stop. (Fuji Photo Optical Co., Ltd., Jap.) U.S. Pat., 4,153,333; 219

Optical Fiber Cable. (Industrie Pirelli SpA, It.) U.S. Pat., 4,185,887; 682

Optical Fiber Cable. (International Standard Electric Corp.) U.S. Pat., 4,166,670; 444

Optical Fiber Cable. (The Post Office, Eng.) U.S. Pat., 4,171,868; 505

Optical Fiber with Compression Surface Layer. (—) U.S. Pat., 4,181,403; 683

Optical Fiber Connector. (International Standard Electric Corp.) U.S. Pat., 4,149,771; 157 & 4,185,885; 687

Optical Fiber Connector. (ITT Industries, Inc.) U.S. Pat., 4,166,672; 448

Optical Fiber Coupling Element. (ITT Industries, Inc.) U.S. Pat., 4,185,883; 687

Optical Fiber Data Transmission System. (International Standard Electric Corp.) U.S. Pat., 4,182,935; 683; 683

Optical Fiber Group. (Western Electric Co., Inc.) Can. Pat., 1,048,317; 99

Optical Fiber Jacket Designs for Minimum Distortion Loss. (Western Electric Co., Inc., Can. Pat., 1,051,238; 215

Optical Fiber Light Tap. (Bell Telephone Labs., Inc.) U.S. Pat., 4,165,496; 390

Optical Fiber Splice. (International Standard Electric Corp.) U.S. Pat., 4,158,477; 277

Optical Fibers Bundles Connector. (Thomson-CSF, Fr.) Can. Pat., 1,053,947; 277. U.S. Pat., 4,139,260; 42

Optical Fibre Assemblies. (AMP Inc.) Can. Pat., 1,043,604; 42

Optical Fibre Cable and a Method of Manufacture. (Les Cables de Lyon, Fr.) U.S. Pat., 4,141,623; 38

Optical Fibre Communications Cable. (Pirelli General Cable Works, Ltd., UK). Can. Pat., 1,046,319; 100

Optical Fibre Connector for Variable Signal Attenuation. (Northern Telecom Ltd., Can.) Can. Pat., 1,068,953; 687. U.S. Pat., 4,145,110; 103

Optical Fibre with Enhanced Security Against Signal Tapping. (Northern Telecom Ltd., Can.) Can. Pat., 1,047,810; 100

Optical Fibre Having Low Mode Dispersion. (Northern Electric Co., Ltd., Can.) U.S. Pat., 4,149,772; 154

Optical Fibre Manufacture. (International Standard Electric Corp.) U.S. Pat., 4,155,733; 185

Optical Fibre Splice Jig. (International Standard Electric Corp.) U.S. Pat., 4,141,776; 42

Optical Fibre Waveguides and Their Manufacture. (Telephone Cables Ltd., UK). Can. Pat., 1,056,630; 333

Optical Film Type Waveguide. (Sony Corp., Jap.) Can. Pat., 1,068,523; 684

Optical Guides. (BICC Ltd., Eng.) U.S. Pat., 4,148,560; 155

Optical Holographic Printing and Typesetting Machinery. (—) Can. Pat., 1,064,293; 570

Optical Homodyne Microscope. (—) U.S. Pat., 4,171,159; 501

Optical Internal Reflectance Switchable Coupler. (Sperry Rand Corp.) U.S. Pat., 4,181,399; 687

Optical Isolator. (Nippon Electric Co., Ltd., Jap. U.S. Pat., 4,178,073; 606

Optical Method and Apparatus for Surface Roughness Evaluation. (General Electric Co.) U.S. Pat., 4,146,330; 95

Optical Multiplexer/Demultiplexer with Interferometer Elements. (—) U.S. Pat., 4,155,628; 219

Optical Photoemissive Detector and Photomultiplier. (U.S. Navy). U.S. Pat., 4,147,929; 142

Optical Playback System Having Increased Depth-of-Field. (RCA Corp.) U.S. Pat., 4,179,708; 631

Optical Pressure Transducer of Randomly Distributed Fiber Optics. (University of Southern California). U.S. Pat., 4,158,310; 271

Optical Reader for Multiline Image Processing. (Sperry Rand Corp.) U.S. Pat., 4,160,237; 340

Optical Resonance Pumped Transfer Laser with High Multiline Photon-to-Single-Line Photon Conversion Efficiency. (Hughes Aircraft Co.) U.S. Pat., 4,145,668; 81

Optical Ribbon Cables. (Siemens AG, W. Germ.) U.S. Pat., 4,176,910; 626

Optical Ribbon Connector. (Bell Telephone Labs., Inc.) U.S. Pat., 4,146,301; 103

Optical Scanner and Recorder. (RCA Corp.) U.S. Pat., 4,180,822; 632

Optical Signal Communicating Apparatus. (Lockheed Electronics Co., Inc.) U.S. Pat., 4,178,505; 626

Optical Strain Gauge. (Battelle Development Corp.) U.S. Pat., 4,163,397; 330

Optical System for the Production of a Beam of Light Having a Uniform Intensity Distribution. (Plessey Handel und Investments AG, Switz.) U.S. Pat., 4,149,773; 143

Optical Transducer and Focusing System. (MCA Discovision, Inc.) U.S. Pat., 4,152,586; 202

Optical Transmission Fiber. (Sumitomo Electric Industries, Ltd., Jap.) U.S. Pat., 4,167,305; 445

Optical Transmission Line. (Hitachi Ltd., Jap.) U.S. Pat., 4,185,890; 683

Optical Transmission Line By-Pass Relay. (NCR Corp.) U.S. Pat., 4,148,558; 157

Optical Triangulation Gauging System. (Autech). U.S. Pat., 4,146,327; 95

Optical Waveguide Connectors for Multiple Waveguide Cables. (GTE Labs., Inc.) U.S. Pat., 4,146,299; 103

Optical Waveguide with Prism Coupler for Parallel Light. (RC Corp.) U.S. Pat., 4,152,045; 219

Optical Waveguide with Protective Coating. (Corning Glass Works). U.S. Pat., 4,173,393; 563

Optical Waveguide Shipping Spool. (Corning Glass Works.) U.S. Pat., 4,182,500; 688

Optical Wavelength Meter. (Stanford University). U.S. Pat., 4,172,663; 501

Optically Monitoring the Thickness of a Depositing Layer. (RCA Corp.) U.S. Pat., 4,141,780; 34

Optically Pumped Laser. (United Technologies Corp.) U.S. Pat., 4,177,435; 603

Optimized Spatial Filter for Defect Detection. (Tokyo Shibaura Electric Co., Ltd., Jap.) U.S. Pat., 4,153,336; 222

Optocoupler Having Internal Reflection and Improved Isolation Capabilities. (General Electric Co.) U.S. Pat., 4,179,619 626

Optoelectronic Devices with Control of Light Propagation. (Northern Telecom Ltd., Can.) Can. Pat., 1,056,043; 334

Parametric Coupling Device for Traveling-Waves. (Thomson-CSF, Fr.) U.S. Pat., 4,158,177; 277

Particle Size Analyzer. (The Boeing Co.) U.S. Pat., 4,179,21 619

Passive Optical Range Simulator Device. (Westinghouse Electric Corp.) U.S. Pat., 4,167,328; 438

Phosphorescence Exhibiting Materials for Optically Pumped Lasers. (Canadian Patents & Development Ltd., Can.) U.S. Pat., 4,158,822; 251

Photochromic Compounds for Hologram Recording. (—) U.S Pat., 4,186,002; 691

Photoconductor for GaAs Laser Addressed Devices. (IBM Corp.) U.S. Pat., 4,147,667; 142

Photosensitive Diodes for Simplified Optical Heterodyning and Cavity Length Control. (Litton Systems, Inc.) U.S. Pat., 4,152,072; 220

Piezoelectric Actuator for a Ring Laser. (The Singer Co.) U.S Pat., 4,160,184; 315

Planar Laser Mount. (International Standard Electric Corp.) U.S. Pat., 4,144,504; 77

Planar Optical Waveguide Modulator, Variable Coupler and Switch. (Massachusetts Institute of Technology). U.S. Pat., 4,166,669; 448

Plasma Generation and Confinement with Continuous Wave Lasers. (U.S. Army). U.S. Pat., 4,152,625; 198

Polarization Converter and Circuit Elements for Use in Optical Waveguides. (University of California, Berkeley). U.S. Pat., 4,153,328; 216

Positioning Substrate for Optical Fibres. (Thomson-CSF, Fr.) U.S. Pat., 4,147,403; 157

Praseodymium Blue-Green Laser System. (U.S. Navy). U.S. Pat., 4,167,712; 421

Preassembled Fiber Optic Security Seal. (U.S. Army). U.S. Pat., 4,161,348; 336

Precision Pointing and Tracking Control System. (U.S. Air Force). U.S. Pat., 4,168,908; 438

Process and Apparatus for Measuring the Concentration of a Molecule of Selective Spectrum in a Sample Substance. (U.S. Philips Corp.) U.S. Pat., 4,178,102; 622

Process for Cutting or Shaping of a Substrate by a Laser. (Valfivre S.p.A., It.) U.S. Pat., 4,169,976; 499

Process for Holographic Recording of Data in the Form of Electrical Signals. (Siemens AG, W. Germ.) U.S. Pat., 4,175,823; 569

Process for Low Attenuation Methacrylate Optical Fiber. (E. I. Du Pont de Nemours & Co.) U.S. Pat., 4,161,500; 306

Process for the Manufacture of Optical Fibers with a Radial Refractive Index. (Thomson-CSF, Fr.) U.S. Pat., 4,165,222; 364

Process for Manufacturing an Optical Fiber Termination. (International Standard Electric Corp.) U.S. Pat., 4,147,402; 157

Process for Preparing an Optical Element for Incorporation Into Optical Transmission Means. (Aktieselskabet Nordiske Kabel-Traadfabriker, Den.) U.S. Pat., 4,178,069; 624

Process for Producing Dielectric Optical Waveguides. (The Post Office, Eng.) U.S. Pat., 4,154,783; 185

Process for Producing Optical Transmission Fiber. (Sumitomo Electric Industries, Ltd., Jap.) U.S. Pat., 4,161,505; 306 & 4,165,152; 364

Process for the Production of Glass Fiber Light Conductor. (Siemens AG, W. Germ.) U.S. Pat., 4,184,860; 656

Processes for Preparing a Connector End on a Fiber Bundle Optical Cable and Cables Thus Obtained. (Souriau et Cie, Fr.) U.S. Pat., 4,176,909; 626

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Pulsed Electron Impact Dissociation Cyclic Laser. (U.S. Navy). U.S. Pat., 4,168,475; 426

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Rangefinding System. (Charles Stark Draper Lab., Inc.) U.S. Pat., 4,153,366; 220

Ray-Path Equalizer for Signal-Transmission System Using Multimode Light Guides. (CSELT-Centro Studi e Laboratori Telecomunicazioni SpA, It.) U.S. Pat., 4,178,066; 626

Real Time Grating Clock for Galvanometer Scanners in Laser Scanning Systems. (Xerox Corp.) U.S. Pat., 4,178,064; 632

Real-Time Optical Mapping System. (U.S. Navy). U.S. Pat., 4,143,400; 105

Recirculating Optical Delay Line. (International Standard Electric Corp.) U.S. Pat., 4,166,212; 390

Recording a Synthetic Focussed-Image Hologram on a Thermally Deformable Plastic. (RCA Corp.) U.S. Pat., 4,174,881; 569

Redundant Hologram Recording Method Employing Temporal Information Signal. (RCA Corp.) U.S. Pat., 4,142,772; 107

Remote Optical Display Designator. (United Technologies Corp.) U.S. Pat., 4,150,285; 162

Resonant Multiplexer-Demultiplexer for Optical Data Communication Systems. (Sperry Rand Corp.) U.S. Pat., 4,182,544; 688

Resonator Having Coupled Cavities with Intercavity Beam Expansion Elements. (United Technologies Corp.) U.S. Pat., 4,170,405; 489

Retroreflectance Measurement System. (U.S. Navy). U.S. Pat., 4,171,910; 502

Ring Laser Gyroscope Having Wedge Desensitizing Optical Means. (The Singer Co.) U.S. Pat., 4,167,336; 449

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Ring Lasers. (Honeywell Inc.) Brit. Pat. Spec., 1,534,998; 44

Ring Lasers. (Litton Systems Inc.) Brit. Pat. Spec., 1,536,077; 1,536,081; 44

Rotary Optical Coupler. (Lockheed Electronics Co., Inc.) U.S. Pat., 4,165,913; 390

Rotatable Record Carrier and Method and Apparatus for Producing Same. (Sony Corp., Jap.) U.S. Pat., 4,142,210; 49

Ruggedized Acousto-Optic Waveguide. (Harris Corp.) U.S. Pat., 4,182,543; 684

Scanning Arrangements for Optical Frequency Converters. (Hughes Aircraft Co.) U.S. Pat., 4,178,561; 611

Scanning Device. (Canon Kabushiki Kaisha, Jap.) U.S. Pat., 4,176,907; 632

Secure Fiber Optics Communication System. (U.S. Army). U.S. Pat., 4,174,149; 564

Segmented Amplifier Configurations for Laser Amplifier. (U.S. Dept. of Energy). U.S. Pat., 4,155,046; 195

Self-Powered Fiber Optic Interconnect System. (Lockheed Aircraft Corp.) U.S. Pat., 4,161,650; 336

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Semiconductor Lasers. (Xerox Corp.) Brit. Pat. Spec., 1,534,577; 17, 1,546,729; 367, 1,549,461; 423, and 1,555,350; 599, and 1,556,347; 625

Sensor System for Detecting Wavefront Distortion in a Return Beam of Light. (Adaptive Optics Associates, Inc.) U.S. Pat., 4,141,652; 43

Separation of Mixtures of Gaseous Isotopes. (Kraftwerk Union AG, W. Germ.) Can. Pat., 1,047,172; 92

Set-Up for a Transversely Excited Laser Operating at Atmospheric Pressure. (Stichting v. Fundamenteel Onderzoek der Materie, Neth.) U.S. Pat., 4,185,255; 665

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Sheathed Optical Fiber Element and Cable and Process for Production Thereof. (Industrie Pirelli S.p.A., It.) Can. Pat., 1,049,821; 216

Shock Isolator for Operating a Diode Laser on a Closed-Cycle Refrigerator. (NASA). U.S. Pat., 4,161,747; 324

Simultaneously Sampled Remote Data Reading and Transmission System Using Optical Fibers. (Hitachi, Ltd., Jap.) U.S. Pat., 4,161,651; 333

Single Blade Proximity Probe. (U.S. Air Force). U.S. Pat., 4,180,329; 619

Single-Fiber Duplex Coupler. (U.S. Navy). U.S. Pat., 4,149,7
157

Single Mode Fiber-To-Channel Waveguide Through-Line Coupler. (U.S. Navy). U.S. Pat., 4,164,363; 336

Single-Mode Wavelength Division Optical Multiplexer. (Bell Telephone Labs., Inc.) U.S. Pat., 4,153,330; 219

Single Optical Fiber Connector. (International Telephone & Telegraph Corp.) U.S. Pat., 4,158,476; 277, 4,174,882; 565, & 4,181,402; 688

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Sliding Reference Interferometer. (Perkin-Elmer Corp.) U.S. Pat., 4,157,223; 280

Solar Pulser for Laser Pumping. (—) U.S. Pat., 4,140,979; 15

Solid State Image Scanning System for Producing a Binary Ou put. (IBM Corp.) U.S. Pat., 4,173,772; 570

Solid State Laser Amplifier Having Two Output Wavelengths. (Owens-Illinois, Inc.) U.S. Pat., 4,173,738; 539

Spatial Filter System as an Optical Relay Line. (U.S. Dept. o Energy). U.S. Pat., 4,158,176; 267

Spatial Resolution Enhancement in Coaxial Light Scattering Systems. (United Technologies Corp.) U.S. Pat., 4,176,960; 619

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Stimulated Brillouin Scattering Ring Laser Gyroscope. (University of Utah Research Inst.) U.S. Pat., 4,159,178; 278

Strain Measurement. (International Standard Electric Corp.) U.S. Pat., 4,173,412; 558

Stripping of Protective Coatings from Glass Fibers. (RCA Corp.) U.S. Pat., 4,149,929; 155

Submarine Cable for Optical Communications. (Bell Telephone Labs., Inc.) U.S. Pat., 4,156,104; 216

Sub-Picosecond Optical Gating by Degenerate Four-Wave Mixing. (Bell Telephone Labs., Inc.) U.S. Pat., 4,178,079; 604

Switched Diffraction Grating. (Bell Telephone Labs., Inc.) U.S. Pat., 4,166,254; 375

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